

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

Rec'd PCT/PTO 27 SEP 2004

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12Q

10/509145

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ, MEDLINE, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 97 33000 A (GENETRACE SYSTEMS INC) 12 September 1997 (1997-09-12) the whole document in particular figures 2-7; examples 1-4,9-11	1-26
A	WO 00 44934 A (OLEK ALEXANDER ;EPIGENOMICS GMBH (DE)) 3 August 2000 (2000-08-03) the whole document	1-26
A	WO 99 28498 A (OLEK ALEXANDER ;WALTER JOERN (DE); EPIGENOMICS GMBH (DE); OLEK SVE) 10 June 1999 (1999-06-10) cited in the application the whole document	1-26
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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8 document member of the same patent family

Date of the actual completion of the international search

21 July 2003

Date of mailing of the international search report

06/08/2003

Name and mailing address of the ISA

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Mossier, B

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indications where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WO 99 29898 A (MAX PLANCK GESELLSCHAFT ;BERLIN KURT (DE); GUT IVO GLYNNE (DE); LE) 17 June 1999 (1999-06-17) the whole document examples 1-4</p>	1-26
A	<p>WO 99 10540 A (LOPEZ OSVALDO J ;NELSON R MICHAEL (US)) 4 March 1999 (1999-03-04) the whole document in particular page 3, line 31 -page 6, line 33 page 8, line 9 -page 9, line 19 page 14, line 34 -page 15, line 30; figure 1; example 2</p>	1-26
A	<p>WO 02 18632 A (PIEPENBROCK CHRISTIAN ;BERLIN KURT (DE); EPIGENOMICS AG (DE); GUET) 7 March 2002 (2002-03-07) abstract</p>	1-26
A	<p>PRADHAN SRIHARSA ET AL: "Recombinant human DNA (cytosine-5) methyltransferase: I. Expression, purification, and comparison of de novo and maintenance methylation." JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 274, no. 46, 12 November 1999 (1999-11-12), pages 33002-33010, XP002248163 ISSN: 0021-9258 cited in the application the whole document</p>	1-26
A	<p>REIN ET AL: "Identifying 5-methylcytosine and related modifications in DNA genomes" NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 26, no. 10, 1998, pages 2255-2264, XP002143106 ISSN: 0305-1048 the whole document</p>	1-26
A	<p>SZYF M: "THE DNA METHYLATION MACHINERY AS A THERAPEUTIC TARGET" CURRENT DRUG TARGETS, BENTHAM SCIENCE PUBLISHER,, US, vol. 1, no. 1, July 2000 (2000-07), pages 101-118, XP001122812 ISSN: 1389-4501 the whole document in particular page 101 -page 103; figures 1,2</p>	1-26

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication where appropriate, of the relevant passages	Relevant to claim No.
A	<p>HERMAN J G ET AL: "METHYLATION-SPECIFIC PCR: A NOVEL PCR ASSAY FOR METHYLATION STATUS OF CPG ISLANDS" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 93, 1 September 1996 (1996-09-01), pages 9821-9826, XP002910406 ISSN: 0027-8424 abstract</p>	1-26

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